

ABSTRACT OF THE DISCLOSURE

A protein crystal having the processivity clamp factor of DNA polymerase that is the  $\beta$  subunit of DNA polymerase III of *Escherichia coli* and a peptide of about 3 to about 30 amino acids, in particular of about 16 amino acids. The peptide includes all or part of the processivity clamp factor binding sequence of a processivity clamp factor interacting protein, such as prokaryotic Pol I, Pol II, Pol III, Pol IV, Pol V, MutS, ligase I,  $\alpha$  subunit of DNA polymerase, UmuD or UmuD', or eukaryotic pol  $\epsilon$ , pol  $\delta$ , pol  $\eta$ , pol  $\iota$ , pol  $\kappa$ .